## Index of Claims

## Application/Control No.

Applicant(s)/Patent under Reexamination

10/536,680 Examiner

James Goloboy

CAMENZIND ET AL.

√ Rejected
= Allowed

- (Through numeral)
Cancelled

N Non-Elected
I Interference

A Appeal
O Objected

1797

|       |          |          |               |          |          |          | _        |   |          |          |          |       |          |          |           |                |         |    |          |         |       |               |            |         |         |          |          |          |               |          |   |
|-------|----------|----------|---------------|----------|----------|----------|----------|---|----------|----------|----------|-------|----------|----------|-----------|----------------|---------|----|----------|---------|-------|---------------|------------|---------|---------|----------|----------|----------|---------------|----------|---|
| Cla   | aim      | Date     |               |          |          |          |          |   |          |          | Claim    |       |          | Date     |           |                |         |    |          | ]       | Claim |               |            | Date    |         |          |          |          |               |          |   |
| Final | Original | 1/12/09  |               |          |          |          |          |   |          |          |          | Final | Original |          |           |                |         |    |          |         |       | Final         | Original   |         |         |          |          |          |               |          |   |
| _     | 1        | 1        | $\vdash$      | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н | Н        | $\dashv$ |          |       | 51       | $\vdash$ | $\forall$ | $^{+}$         | +       | +  | Н        | $\pm$   | 1     | $\vdash$      | 101        | $^{+}$  | +       | t        | Н        | $\vdash$ | $\dashv$      | _        | - |
|       | 2        | V        |               | $\vdash$ | $\vdash$ | $\vdash$ | -        |   | Н        | ヿ        |          |       | 52       |          | $\neg$    | _              | +       | +  | Н        | $\top$  | 1     | $\vdash$      | 102        | $^{+}$  | +       | $\vdash$ |          |          | $\neg$        | $\dashv$ | - |
|       | 3        | V        | $\overline{}$ | $\vdash$ | $\vdash$ |          | $\vdash$ | П | П        | ヿ        |          |       | 53       | $\neg$   | $\neg$    | $\neg$         | ┰       | Т  | П        | $\neg$  | 1     | $\overline{}$ | 103        | $\top$  |         | Т        |          |          | $\neg$        | $\neg$   | - |
|       | 4        | V        | $\overline{}$ | $\vdash$ | -        | $\vdash$ |          |   | П        | ヿ        |          |       | 54       | П        | $\neg$    | $\neg$         | $\top$  | т  | П        | $\neg$  | 1     | $\vdash$      | 104        | $\top$  | $\top$  | T        |          |          | $\neg$        | $\neg$   | - |
|       | 5        | V        |               | $\vdash$ | Т        |          |          | П | П        | $\neg$   |          |       | 55       | П        | $\neg$    | $\neg$         | $\top$  | т  | П        | $\neg$  | 1     | $\vdash$      | 105        | $\top$  | $\top$  | T        |          |          | $\neg$        | $\top$   | - |
|       | 6        | V        | П             | Т        | Т        | Т        | Т        | П | П        | ヿ        |          |       | 56       | П        | $\neg$    |                | $\top$  | т  | П        | $\neg$  | 1     |               | 106        | $\top$  | $\top$  |          | П        |          | $\neg$        | _        |   |
|       | 7        | V        |               |          |          |          | Т        | П | П        | ヿ        |          |       | 57       | П        | П         | T              | T       | Т  | П        | $\top$  | 1     |               | 107        | T       |         | Т        | П        |          | $\neg$        | T        |   |
|       | 8        | V        |               | Т        | П        | Г        |          | П | П        | ヿ        |          |       | 58       | П        | П         | T              | Т       | Т  | П        | $\neg$  | 7     |               | 108        | T       | $\top$  | Т        | П        |          | $\neg$        | T        | _ |
|       | 9        | V        |               | П        |          | П        | П        | П | П        | ヿ        |          |       | 59       | П        | П         | T              | Т       | Т  | П        | $\neg$  | 7     |               | 109        | T       | Т       | П        | П        |          | $\neg$        | 7        | 7 |
|       | 10       | V        |               |          |          |          |          |   | П        | ╗        |          |       | 60       |          | П         | T              | Т       | Т  | П        |         | 1     |               | 110        | T       |         | Г        |          |          |               | T        |   |
|       | 11       | ¥        |               | П        | П        | П        | П        |   | П        | $\neg$   |          |       | 61       | П        | П         | Т              | Т       | Т  | П        | Т       | ٦.    |               | 111        | Т       | Т       |          |          |          | П             | Т        | _ |
|       | 12       |          |               | L        |          | L        | L        |   | Ш        | ┚        |          |       | 62       | Ш        |           | $\perp \Gamma$ | ┸       | Γ  |          |         | J     |               | 112        |         |         | Ľ        |          |          |               | $\perp$  |   |
|       | 13       | L        |               | L        |          | L        |          |   | Ш        | ┚        |          |       | 63       |          |           | $\perp$        | Ι       | Г  | Ш        |         | 1     |               | 113        | ┰       |         | L        |          |          |               | ⅃        | _ |
|       | 14       |          |               |          |          |          |          |   |          | ᆜ        |          |       | 64       | Ш        | П         | $\perp$        | $\perp$ | ഥ  |          |         |       |               | 114        | $\perp$ |         | 匚        |          |          |               |          | _ |
| _     | 15       | Ľ        |               | Ľ        |          | L        | L        |   | Ц        | _]       |          |       | 65       | Ш        |           | _              | 1       | ഥ  | П        | $\perp$ | 1     |               | 115        | 4       | $\perp$ | 1        |          |          |               | _        | _ |
| _     | 16       | Ľ        | _             | _        | _        | _        | L        | ш | Ц        | ᆜ        |          |       | 66       | Ц        | Ц         | 1              | 1       | _  | $\sqcup$ | _       | 1     | $\vdash$      | 116        | 4       | 1       | 1        | Ш        | $\Box$   | _             | _[       | _ |
|       | 17       | _        | _             | ┖        | Ш        |          | Ш        |   | Ш        | _        | L        |       | 67       | Ш        | Ш         | _              | _       | ┸  | ш        | $\perp$ |       |               | 117        | _       | $\perp$ |          | Ш        |          | _             |          |   |
|       | 18       |          |               | ╙        | ╙        | ╙        | ╙        |   | Ш        | 4        | L        |       | 68       | Ц        | Ц         | _              | +       | ┺  | Ш        | _       | 4     |               | 118        | 4       | _       | ┺        |          |          | _             | 4        | _ |
|       | 19       |          |               | ┖        | _        | ┖        | ╙        |   | Ш        | 4        | L        |       | 69       | Ш        | Ц         | _              | +       | ┺  | Ш        | $\perp$ | 4     |               | 119        | 4       | $\perp$ | ╙        |          |          | _             | 4        |   |
|       | 20       |          |               | ┖        |          |          | 上        |   | Ш        | _        | L        |       | 70       | Ш        | Ц         | _              | _       | ┺  | Ш        | $\perp$ | 4     |               | 120        | 4       | $\perp$ | 上        |          |          | _             | 4        |   |
|       | 21       |          |               | ╙        |          |          | ╙        |   | Ц        | _        | L        |       | 71       | Ш        | Ц         | _              | $\perp$ | ┸  | Ш        | $\perp$ | 4     |               | 121        | 4       |         | 上        |          |          | _             | _        |   |
|       | 22       |          |               |          |          |          | $\perp$  |   | Ш        | _        | L        |       | 72       | Ш        |           | _              | $\perp$ | ┸  | Ш        | $\perp$ | 4     |               | 122        | $\perp$ | $\perp$ |          |          |          | _             |          |   |
|       | 23       | ╙        |               | ╙        |          |          | 上        |   | Ш        | _        | L        |       | 73       | Ш        |           | _              | $\perp$ | ┸  | Ш        | $\perp$ | 4     |               | 123        | $\perp$ | $\perp$ | $\perp$  |          |          | _             |          |   |
|       | 24       |          |               | ╙        | _        | ╙        | ┖        |   | Ц        | _        | ⊢        |       | 74       | Ц        | Ц         | 4              | +       | _  | Ш        | _       | 4     |               | 124        | 4       |         | ┡        | Ш        |          | _             | 4        | _ |
|       | 25       |          |               | ╙        |          |          | _        |   | Ш        | _        | L        |       | 75       | Ш        | Ш         | _              | $\perp$ | ┸  | Ш        | $\perp$ | 4     |               | 125        | $\perp$ | $\perp$ |          | Ш        |          | _             | _        |   |
|       | 26       |          |               | ╙        | _        | _        | ╙        | Ш | Ш        | 4        | ⊢        |       | 76       | Ц        | Ш         | _              | _       | _  | ш        | _       | 4     | _             | 126        | _       | $\perp$ |          | Ш        |          | _             | _        | _ |
|       | 27       | _        |               | ╙        | _        | _        | ╙        |   | Ш        | 4        | ⊢        |       | 77       | Ш        | $\perp$   | _              | _       | _  | ш        | _       | 4     | _             | 127        | _       | $\perp$ | _        | Ш        |          | _             | _        |   |
|       | 28       | _        |               | ╙        | ╙        | ┞-       | ╙        | Ш | Н        | 4        | - L      |       | 78       | Н        | Ц         | 4              | +       | ╄  | Н        | +       | 4     | <b>⊢</b>      | 128        | +       | +       | ╄        | Ш        |          | _             | 4        | _ |
|       | 29       | _        |               | ⊢        | ⊢        | _        | ⊢        | Ш | Н        | 4        | - L      | _     | 79       | Н        | Н         | +              | +       | ╄  | Н        | $\perp$ | 4     | _             | 129        | +       | +       | ┺        | Ш        |          | _             | 4        | _ |
|       | 30       | _        |               | _        | ╙        | _        | ╙        | Ш | Ш        | 4        | - L      |       | 80       | Ш        | Н         | +              | +       | ╄  | Н        | +       | 4     | <b>⊢</b>      | 130        | +       | +       | ┺        | Ш        |          | _             | 4        | _ |
|       | 31       | _        |               | ╙        | <b>!</b> | ╙        | ╙        | Ш | Ш        | 4        | -        | _     | 81       | Н        | Н         | -              | -       | +  | $\vdash$ | +       | 4     | ⊢             | 131        | _       | +       | _        | Ш        |          | _             | _        | _ |
| _     | 32       | ⊢        | ⊢             | ⊢        | ⊢        | ⊢        | ⊢        | Н | Н        | 4        | ⊢        | _     | 82       | $\vdash$ | $\dashv$  | +              | +       | ╄  | Н        | +       | 4     | ⊢             | 132        | +       | +       | ⊢        | Н        | -        | 4             | +        | _ |
|       | 33       | ⊢        | ⊢             | ⊢        | ⊢        | ⊢        | ⊢        | Н | Н        | $\dashv$ | -        | _     | 83       | $\vdash$ | 4         | +              | +       | +  | Н        | +       | 4     | ⊢             | 133        | +       | +       | +        | Н        | Н        | 4             | -        |   |
| _     | 34       | ⊢        | $\vdash$      | ⊢        | $\vdash$ | ⊢        | -        | Н | Н        | 4        | -        | _     | 84       | $\vdash$ | $\dashv$  | -+-            | +       | +  | Н        | +       | 4     | $\vdash$      | 134        | +       | +       | +        | $\vdash$ | $\vdash$ | -             | 4        | _ |
| _     | 35<br>36 | -        | $\vdash$      | ⊢        | ⊢        | ⊢        | ⊢        | Н | Н        | -        | $\vdash$ | _     | 85<br>86 | $\vdash$ | $\dashv$  | -              | +       | +  | $\vdash$ | +       | 4     | ⊢             | 135<br>136 | +       | +       | +        | $\vdash$ | _        | -             | +        |   |
| _     |          | -        | $\vdash$      | ⊢        | ⊢        | ⊢        | ⊢        | Н | Н        | -        | -        | _     |          | $\vdash$ | $\dashv$  | -              | +       | +  | $\vdash$ | +       | 4     | ⊢             |            | +       | +       | +        | $\vdash$ | $\vdash$ | -             | +        |   |
| _     | 37       | $\vdash$ | $\vdash$      | ⊢        | $\vdash$ | $\vdash$ | $\vdash$ | Н | $\vdash$ | 4        | $\vdash$ | _     | 87<br>88 | $\vdash$ | -         | +              | +       | +  | $\vdash$ | +       | 4     | $\vdash$      | 137        | +       | +       | +        | Н        | $\vdash$ | -             | +        |   |
| _     | 38       | -        | -             | -        | -        | ⊢        | ⊢        | Н | Н        | 4        | -        | -     | 88       | Н        | -         | +              | +       | +- | Н        | +       | 4     | ⊢             | 138        | +       | +       | +        | Н        | -        | -             | -+       |   |
|       | 40       | -        |               | $\vdash$ | -        | $\vdash$ | Н        | Н | Н        |          | ⊢        | -     | 90       | Н        | $\vdash$  | +              | +       | +  | $\vdash$ | +       | 4     | ⊢-            | 140        | +       | +       | ⊢        | Н        | Н        | -             | +        | - |
| _     | 41       | -        | -             | +-       | -        | 1-       | ⊢        | Н | $\vdash$ | $\dashv$ | -        | -     | 90       | $\vdash$ | -         | +              | +       | +  | $\vdash$ | +       | -     | <u> </u>      | 141        | +       | +       | ╌        | Н        | $\vdash$ | -             | +        | - |
| _     | 41       | ⊢        | -             | ╁        | -        | ├-       | ⊢        | Н | $\vdash$ | $\dashv$ | -        | -     | 91       | $\vdash$ | $\dashv$  | +              | +       | +- | $\vdash$ |         | -     | -             | 141        | +       | +       | ⊢        | Н        | Н        | -             | +        | - |
|       | 42       | $\vdash$ | $\vdash$      | $\vdash$ | -        | $\vdash$ | $\vdash$ | Н | Н        | $\dashv$ | - 1-     | -     | 93       | $\vdash$ | +         | +              | +       | +  | Н        | +       | -     | $\vdash$      | 143        | +       | +       | +        | Н        | Н        | $\dashv$      | +        | _ |
|       | 44       | $\vdash$ | $\vdash$      | $\vdash$ | -        | $\vdash$ | $\vdash$ | Н | Н        | $\dashv$ | -        | -     | 93       | $\vdash$ | $\dashv$  | +              | +       | +  | $\vdash$ | +       | -     | $\vdash$      | 144        | +       | +       | +        | Н        | $\vdash$ | $\dashv$      | +        | - |
|       | 44       | $\vdash$ | $\vdash$      | $\vdash$ | -        | $\vdash$ | $\vdash$ | Н | Н        | $\dashv$ | $\vdash$ | -     | 95       | $\vdash$ | $\dashv$  | +              | +       | +  | $\vdash$ | +       | 4     | $\vdash$      | 144        | +       | +       | +        | Н        | $\vdash$ | $\dashv$      | +        | - |
| _     | 46       | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н | $\vdash$ | $\dashv$ | $\vdash$ | -     | 95<br>96 | $\vdash$ | $\dashv$  | +              | +       | +  | $\vdash$ | +       | 4     | $\vdash$      | 146        | +       | +       | +        | $\vdash$ | $\vdash$ | $\rightarrow$ | +        |   |
| _     | 46       | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н | $\vdash$ | $\dashv$ | $\vdash$ | -     | 97       | $\vdash$ | $\vdash$  | +              | +       | +  | $\vdash$ | +       | +     | $\vdash$      | 146        | +       | +       | +        | Н        | $\vdash$ | $\dashv$      | +        | - |
| _     | 48       | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н | $\vdash$ | $\dashv$ | $\vdash$ | -     | 98       | $\vdash$ | $\vdash$  | +              | +       | +  | $\vdash$ | +       | +     | $\vdash$      | 148        | +       | +       | +        | Н        | $\vdash$ | $\rightarrow$ | +        | - |
| _     | 48       | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н | Н        | $\dashv$ | $\vdash$ | -     | 99       | $\vdash$ | $\vdash$  | +              | +       | +  | $\vdash$ | +       | +     | $\vdash$      | 148        | +       | +       | +        | Н        | $\vdash$ | $\dashv$      | +        | - |
| _     | 50       | $\vdash$ | $\vdash$      | +        | $\vdash$ | $\vdash$ | $\vdash$ | Н | Н        | $\dashv$ | H        | -     | 100      | $\vdash$ | $\vdash$  | +              | +       | +  | $\vdash$ | +       | -     | $\vdash$      | 150        | +       | +       | +        | Н        | $\vdash$ | $\rightarrow$ | +        |   |
|       | UU       |          |               |          |          |          |          | 1 | ıl       |          |          |       | 100      |          | - 1       | - 1            | - 1     | 1  | 1 1      | - 1     | 1     | 1             | 100        | - 1     |         | 1        |          |          | - 1           |          |   |